

Attorney Docket No.: 56162.000530
(GV 330)

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship is as stated below next to my name;

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

MIMO DYNAMIC PSD ALLOCATION FOR DSL NETWORKS

the specification of which: ☐ is attached hereto.
☒ was filed on: March 25, 2004
as United States Application No.: 10/808,549
or PCT International Application No.: _____
and was amended on: _____ (if applicable).

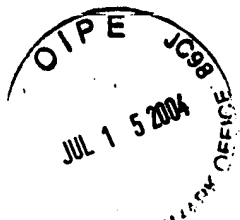
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

Prior Foreign Application(s)

I hereby claim foreign priority benefits under 35 U.S.C. §§ 119(a)-(d) or (f), or § 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below by checking the box, any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed:

Application Number	Country	Date of Filing (day, month, year)	Date of Issue (day, month, year)	Priority Claimed	
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>



are punishable by fine and imprisonment, or both, under 18 U.S.C. § 1001, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

NAME OF SOLE OR FIRST INVENTOR:

☐ A petition has been filed for this unsigned inventor

Signature

Ehud Langberg

Date

5/4/04

Given Name

(first and middle (if any))

Ehud

Family Name
or Surname

LANGBERG

Citizenship:

USA

Residence:

44 Meadows Lane, Wayside, NJ 07712

Mailing Address:

44 Meadows Lane, Wayside, NJ 07712

NAME OF SECOND INVENTOR:

☐ A petition has been filed for this unsigned inventor

Signature

Date

Given Name

(first and middle (if any))

William

Family Name
or Surname

SCHOLTZ

Citizenship:

USA

Residence:

734 Navesink River Road, Red Bank, NJ 07701

Mailing Address:

734 Navesink River Road, Red Bank, NJ 07701

NAME OF THIRD INVENTOR:

☐ A petition has been filed for this unsigned inventor

Signature

Date

Given Name

(first and middle (if any))

Lujing

Family Name
or Surname

CAI

Citizenship:

USA

Residence:

517 Imbrie Place, Morganville, NJ 07751

Mailing Address:

517 Imbrie Place, Morganville, NJ 07751

NAME OF FOURTH INVENTOR:

☐ A petition has been filed for this unsigned inventor

Signature

Date

Given Name

(first and middle (if any))

Albert

Family Name
or Surname

Rapaport

Citizenship:

Israel

Residence:

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Mailing Address:

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NAME OF SOLE OR FIRST INVENTOR:

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Signature _____ Date _____
Given Name (first and middle (if any)) **Ehud** Family Name or Surname **LANGBERG**
Citizenship: **USA**
Residence: **44 Meadows Lane, Wayside, NJ 07712**
Mailing Address: **44 Meadows Lane, Wayside, NJ 07712**

NAME OF SECOND INVENTOR:

☐ A petition has been filed for this unsigned inventor

Signature *W. Scholtz* Date 5/5/04
Given Name (first and middle (if any)) **William** Family Name or Surname **SCHOLTZ**
Citizenship: **USA**
Residence: **734 Navesink River Road, Red Bank, NJ 07701**
Mailing Address: **734 Navesink River Road, Red Bank, NJ 07701**

NAME OF THIRD INVENTOR:

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Signature _____ Date _____
Given Name (first and middle (if any)) **Lujing** Family Name or Surname **CAI**
Citizenship: **USA**
Residence: **517 Imbrie Place, Morganville, NJ 07751**
Mailing Address: **517 Imbrie Place, Morganville, NJ 07751**

NAME OF FOURTH INVENTOR:

☐ A petition has been filed for this unsigned inventor

Signature _____ Date _____
Given Name (first and middle (if any)) **Albert** Family Name or Surname **Rapaport**
Citizenship: **Israel**
Residence: **102 Radcliff Place, Morganville, NJ 07751**
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Signature _____ Date _____
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NAME OF THIRD INVENTOR:

☐ A petition has been filed for this unsigned inventor

Signature  Date **05/04/04**
Given Name (first and middle (if any)) **Lu Jing** Family Name or Surname **CAI**
Citizenship: **USA**
Residence: **517 Imbrie Place, Morganville, NJ 07751**
Mailing Address: **517 Imbrie Place, Morganville, NJ 07751**

NAME OF FOURTH INVENTOR:

☐ A petition has been filed for this unsigned inventor

Signature _____ Date _____
Given Name (first and middle (if any)) **Albert** Family Name or Surname **Rapaport**
Citizenship: **Israel**
Residence: **102 Radcliff Place, Morganville, NJ 07751**
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Signature _____ Date _____
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Citizenship: **USA**
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NAME OF SECOND INVENTOR:

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Signature _____ Date _____
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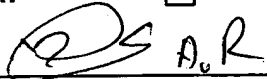
NAME OF THIRD INVENTOR:

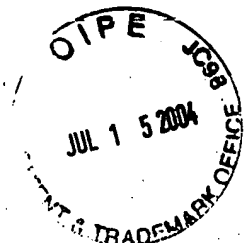
☐ A petition has been filed for this unsigned inventor

Signature _____ Date _____
Given Name (first and middle (if any)) **Lujing** Family Name or Surname **CAI**
Citizenship: **USA**
Residence: **517 Imbrie Place, Morganville, NJ 07751**
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NAME OF FOURTH INVENTOR:

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Signature  Date 5/5/04
Given Name (first and middle (if any)) **Albert** Family Name or Surname **Rapaport**
Citizenship: **Israel**
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NAME OF FIFTH INVENTOR:

☐ A petition has been filed for this unsigned inventor

Signature

Shareq Rahman

Date

5/5/04

Given Name

(first and middle (if any))

Shareq

Family Name

or Surname

RAHMAN

Citizenship:

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Residence:

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NAME OF SIXTH INVENTOR:

☐ A petition has been filed for this unsigned inventor

Signature

Date

Given Name

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Patrick

Family Name

or Surname

DUVAUT

Citizenship:

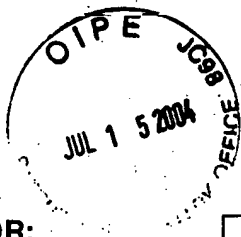
France

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NAME OF FIFTH INVENTOR:

☐

A petition has been filed for this unsigned inventor

Signature

Date

Given Name

(first and middle (if any))

Shareq

Family Name

or Surname

RAHMAN

Citizenship:

India

Residence:

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Mailing Address:

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NAME OF SIXTH INVENTOR:

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A petition has been filed for this unsigned inventor

Signature

Date

Given Name

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Patrick

Family Name

or Surname

DUVAUT

Citizenship:

France

Residence:

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Mailing Address:

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